

Design and Check Data Requirements

635. Wastewater Treatment Strip

Data Collection

1. Plan view with dimensions as appropriate.
2. Wastewater characterization, solids content, volumes, and flow rates.
3. Sketch of layout, including settling facility, pipeline, and treatment strip.
4. Surveyed profile of the proposed system from wastewater source to end of treatment strip.
5. Cross section(s) of treatment strip.
6. Type, vigor, and suitability of existing vegetation.
7. Record of soil investigation.
8. Operation and Maintenance Plan provided to land owner.
9. Grading and revegetation information.
10. Erosion and sediment control plan.
11. Document compliance with PA One Call.
12. Construction Quality Assurance Plan.

Design Record

1. Calculations for sizes of settling facility, dosing or sprinkler system, and treatment strip.
2. Plotted profiles and cross section(s) of ground surface and designed system components.
3. Plan view showing locations of existing and designed facilities.
4. List of materials needed to install the system.
5. Dosing or sprinkler system requirements including design flow (gpm), total head, and solids handling capacity.
6. Specification 635 with additional conditions needed to complete the practice.
7. Specification 634, Manure Transfer, if applicable, and any other specifications (e.g. PA342, Critical Area Seeding and PA362, Diversion) needed to install the practice.
8. Operation and Maintenance Plan provided to land owner.
9. Grading and revegetation information.
10. Erosion and sediment control plan.
11. Document compliance with PA One Call.
12. Construction Quality Assurance Plan.

Construction Check and As-Built Drawing

1. Measurements to show all components were installed as designed or as otherwise modified in the field by qualified personnel with appropriate job approval authority.
2. Name of pump, siphon, or flout manufacturer, model number, and performance curve or capacity.
3. Length, kind, and size of pipes.
4. Check of solids retention devices in settling facility.
5. Location sketch of lines installed.
6. Fence installation where needed to manage access by livestock.